

AMENDMENTS

IN THE CLAIMS:

1. (Once amended.) A method of producing a composite magnetic body, comprising the steps of:

preparing flat soft magnetic powder;

subjecting said flat soft magnetic powder to annealing to be free from stress strain;

mixing, after the annealing step, said flat soft magnetic powder, with a binder; and a solvent for dissolving said binder to form, the mixing step producing a slurry-like mixture;

forming said slurry-like mixture into a film; and

removing said solvent from said film to produce a sheet of said composite magnetic body.

2. (Original.) A method as claimed in claim 1, wherein said flat soft magnetic powder is subjected to surface treatment by the use of a coupling agent.

3. (Original.) A method as claimed in claim 2, wherein said coupling agent is one of a silane-based coupling agent and a titanate-based coupling agent.

4. (Original.) A method as claimed in claim 1, wherein said binder is chlorinated polyethylene.

5. (Amended.) A method as claimed in claim 1, wherein said sheet is pressed in a direction perpendicular to a plane of said sheet without causing stress strain in the soft magnetic powder.

6. (Amended.) A method as claimed in claim 5, wherein said sheet is pressed by the use of at least one of a hot press, a rolling mill comprising a plurality of rolls between which said sheet is pressed, a rolling mill comprising an endless belt and a roll between which said sheet is pressed, and a rolling mill comprising a plurality of endless belts between which said sheet is pressed.

7. (Original.) A method as claimed in claim 5, wherein said sheet is pressed by the use of a rolling mill comprising a plurality of rolls between which said sheet is pressed, at least one of said rolls being one of a surface-deformable roll having a surface subjected to resin coating and a surface-deformable roll made of one of a rubber and a macromolecule material having a rubber hardness of 90 or more and having a surface portion elastically deformable.

8. (Once amended.) A method as claimed in claims 5, wherein said sheet is pressed by the use of a rolling mill comprising a plurality of rolls between which said sheet is pressed, at least one of said rolls having a surface portion elastically deformable, ~~said at least one having an outer peripheral surface which is press contacted with the other roll to have a depressed portion engaged with the outer peripheral surface of the other roll.~~

9. (Original.) A method as claimed in claim 1, wherein said sheet is formed by layering and pressing a plurality of sheet elements of a composite magnetic body to form an integral structure.

10. (Original.) A method as claimed in claim 9, wherein a conductive material is interposed between sheet elements.

11. (Original.) A composite magnetic body produced by the method according to claim 1.

12. (Amended.) A composite magnetic body₁ comprising:
flat soft magnetic powder ~~subjected to annealing to be~~ free from stress
strain; and
a binder mixed ~~to~~ with said flat soft magnetic powder subjected to the
annealing.

13. (Original.) A composite magnetic body as claimed in claim 12,
wherein said flat soft magnetic powder is subjected to surface treatment by the
use of a coupling agent.

14. (Original.) A composite magnetic body as claimed in claim 13,
wherein said coupling agent is one of a silane-based coupling agent and a
titanate-based coupling agent.

15. (Original.) A composite magnetic body as claimed in claim 12,
wherein said binder is chlorinated polyethylene.

16. (Amended.) A composite magnetic member₁ comprising:
a planar conductive material ~~having both~~ defining two planar surfaces; and
a composite magnetic bodies body according to claim 12 ~~arranged in~~
attached to each of said both planar surfaces of the planar conductive material.